Default Variables Set by PBS

Category: PBS on Pleiades

DRAFT

This article is being reviewed for completeness and technical accuracy.

You can use the "env" command--either in a PBS script or on the command line of a PBS interactive session--to find out what environment variables are set within a PBS job. In addition to the PBS_xxxx variables, the following two are useful to know:

- NCPUS defaults to number of CPUs that you requested for the node.

- OMP_NUM_THREADS defaults to 1 unless you explicitly set it to a different number.

  If your PBS job runs an OpenMP or MPI/OpenMP application, this variable sets the number of threads in the parallel region.

- FORT_BUFFERED defaults to 1.

  Setting this variable to 1 enables records to be accumulated in the buffer and flushed to disk later.

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